

ABSTRACT

The invention relates to a multilayer coating system comprising

- 5 - at least one layer a) comprising a coating composition a) comprising at least one resin and an effective number of thiol groups, and
 - at least one layer b) comprising a coating composition b) comprising at least one resin and an effective number of thiol-reactive groups,
- at least one layer a) and at least one layer b) having at least one common layer boundary.

- 10 The invention further relates to the use of the above coating system in the finishing and refinishing of automobiles and large transportation vehicles and an aqueous coating composition comprising a thiol-containing polyurethane and a polyacrylate dispersion.